BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, RR NAGAR DIVISION

Name of Works : Improvements of Drains & Culverts in Yashwanthapura And Surrounding Area in Ward No 37, Yashwanthapura

DETAILED ESTIMATE

Estimated Cost= 3,00,00,000.00

Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Removing & Refixing stone slabs of drains and pointing in C.M (1:3) Data Rate								
	Cum							
Slab Cutting Slabs								
1st K Nagar		2	195.00	1.20		468.00		
1st C Main Road		2	74.00	0.90		133.20		
2nd B Main Road		2	99.00	0.90		178.20		
12th A Cross Road		2	459.00	0.90		826.20		
2nd main Road		2	251.00	0.90		451.80		
12th Cross Road		2	72.00	0.90		129.60		
1st A Cross Road		2	71.00	0.90		127.80		
2nd Cross Road		2	80.00	0.90		144.00		
1st D Cross Road		2	129.00	0.90		232.20		
19th Cross road		2	109.00	0.90		196.20		
1.S Govindaraj Road		2	94.00	0.90		169.20		
1Cr Rd		2	43.00	0.90		77.40		
11th Cross		2	120.00	1.20		288.00		
1Cr Rd		2	93.00	0.90		167.40		
1st A Cross Road		2	94.00	0.90		169.20		
1st Cross Road		2	95.00	0.90		171.00		
2nd Cross Road		2	95.00	0.90		171.00		
3rd Cross Road		2	96.00	0.90		172.80		
4th Cross Road		2	56.00	0.90		100.80		
1st Cross Road		2	350.00	1.20		840.00		
1Cr Rd		2	405.00	1.20		972.00		
1Cr rd		1	90.00	0.90		81.00		
2nd Cross Road		2	177.00	1.20		424.80		
13th main road		2	168.00	1.20		403.20		
12th main road								
1LN COLONY		2	175.00	0.90		315.00		
2nd B main		2	210.00	0.90		378.00		
1st cross road		1	120.00	0.90		108.00		
1st D main		2	95.00	0.90		171.00		
1st D main		2	98.00	0.90		176.40		
1st D main		2	350.00	1.20		840.00		
1cross road 2		1	90.00	1.20		108.00		
2nd Cross Road		2	60.00	1.20		144.00		
1Old Panchayath Road		2	338.00	1.20		811.20		
1Parallel Road		2	224.00	1.20		537.60		
1cross road 2								
Missing And Broken Slab 35 %						-3739.47		
					Total Quantity	6944.73	212.00	1472282.76

Data Rate	
Basic Rate	212.00
Total Amount	212.00

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils as per drawing and technical specifications, including setting out, shoring, strutting, barricading, cautious lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work.In all kinds of soils Depth upto 1.5 m.Item No.4.1,Page No.A(5), Vol I CSR 21-22	Cum							
New Corner Slab		245	15.00	0.60	0.62	1367.10		
Opp.to No.37								
2nd Dwelling		2	195.00	0.60	0.60	140.40		
B A Nagar		2	74.00	0.60	0.60	53.28		
2nd C Main Road		2	99.00	0.60	0.50	59.40		
2nd B Main Road		2	459.00	0.60	0.60	330.48		
12th A Cross Road		2	251.00	0.60	0.60	180.72		
2nd main Road		2	72.00	0.60	0.60	51.84		
12th Cross Road		2	71.00	0.60	0.60	51.12		
1st A Cross Road		2	80.00	0.60	0.60	57.60		
2nd Cross Road		2	129.00	0.60	0.60	92.88		
1st D Cross Road		2	109.00	0.60	0.60	78.48		
11th Cross road		2	94.00	0.60	0.50	56.40		
11th Govindaraj Road		2	43.00	0.60	0.50	25.80		
Cr Rd		2	120.00	0.60	0.50	72.00		
11th Cross		2	93.00	0.60	0.50	55.80		
Cr Rd		2	94.00	0.60	0.50	56.40		
1st A Cross Road		2	95.00	0.60	0.50	57.00		
1st Cross Road		2	95.00	0.60	0.50	57.00		
2nd Cross Road		2	96.00	0.60	0.50	57.60		
3rd Cross Road		2	56.00	0.60	0.50	33.60		
4th Cross Road		2	350.00	0.60	0.50	210.00		
1st Cross Road		2	405.00	0.60	0.50	243.00		
Cr Rd		1	90.00	0.60	0.50	27.00		
Cr rd		2	177.00	0.60	0.50	106.20		
2nd Cross Road		2	168.00	0.60	0.50	100.80		
13th main road								
12th main road		2	175.00	0.60	0.50	105.00		
LN COLONY		2	210.00	0.60	0.50	126.00		
2nd B main		1	120.00	0.60	0.50	36.00		
1st cross road		2	95.00	0.60	0.50	57.00		
1st D main		2	98.00	0.60	0.50	58.80		
1st D main		2	350.00	0.60	0.50	210.00		
1st D main		2	90.00	0.60	0.50	54.00		
cross road 2		2	60.00	0.60	0.50	36.00		
2nd Cross Road		2	338.00	0.60	0.50	202.80		
Old Panchayath Road		2	224.00	0.60	0.50	134.40		
Parallel Road								
cross road 2					Total Quantity	4641.90	363.56	1687609.16

Rate Analysis	
Basic Rate	186.00
Loading & unLoading	118.00
Add for lead for earth (1.28 Tonne / Cum)	40.96
Area Weightage @10%	18.60
Total Amount	363.56

Providing and laying in position **plain cement concrete Mix 1:3:6 (M10)** Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) KWPD 2021-22, V-I, Item No.2.1.3, Page No.15)

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
	Cum		L in m	B in m	D in m			
For Corner Slab								
Ward No 37		490	2.30	0.20	0.15	33.81		
					Total Quantity	33.81	6327.20	213922.63
Rate Analysis								
Basic Rate	5752.00							
Area Weightage @10%	575.20							
Total Amount	6327.20							

Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges for machinery etc complete as per specifications.I.No 6.32 P.No 17 Volume 2 SR 2021-22

	Sqm							
For Corner Slab								
		490	2.30		0.40	450.80		
Ward No 37								
For Solid Block								
R K Nagar		4	126.75		0.20	101.40		
1st C Main Road		4	48.10		0.20	38.48		
2nd B Main Road		4	64.35		0.20	51.48		
12th A Cross Road		4	298.35		0.40	477.36		
2nd main Road		4	163.15		0.40	261.04		
12th Cross Road		4	46.80		0.20	37.44		
1st A Cross Road		4	46.15		0.20	36.92		
2nd Cross Road		4	52.00		0.20	41.60		
1st D Cross Road		4	83.85		0.20	67.08		
19th Cross road		4	70.85		0.20	56.68		
T S Govindaraj Road		4	61.10		0.20	48.88		
Cr Rd		4	27.95		0.20	22.36		
11th Cross		4	78.00		0.20	62.40		
Cr Rd		4	60.45		0.20	48.36		
1st A Cross Road		4	61.10		0.20	48.88		
1st Cross Road		4	61.75		0.20	49.40		
2nd Cross Road		4	61.75		0.20	49.40		
3rd Cross Road		4	62.40		0.20	49.92		
4th Cross Road		4	36.40		0.20	29.12		
1st Cross Road		4	227.50		0.20	182.00		
Cr Rd		4	263.25		0.20	210.60		
Cr rd		2	58.50		0.20	23.40		
2nd Cross Road		4	115.05		0.20	92.04		
13th main road		4	109.20		0.20	87.36		
12th main road								
N COLONY		4	113.75		0.20	91.00		
2nd B main		4	136.50		0.40	218.40		
1st cross road		2	78.00		0.20	31.20		
1st D main		4	61.75		0.20	49.40		
1st D main		4	63.70		0.20	50.96		
1st D main		4	227.50		0.20	182.00		
cross road 2		4	58.50		0.20	46.80		
2nd Cross Road		4	39.00		0.20	31.20		
Old Panchayath Road		4	219.70		0.40	351.52		
Parallel Road		4	145.60		0.20	116.48		
cross road 2								
					Total Quantity	3793.36	1322.20	5015580.59
Rate Analysis								
Basic Rate	1202.00							
Area Weightage @10%	120.20							
Total Amount	1322.20							

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge Item No.8.19.1,Page No.44, Vol II SR 21-22	Sqm							
Pointing								
B K Nagar		4	126.75					
1st C Main Road		4	48.10		0.20	101.40		
3rd B Main Road		4	64.35		0.20	38.48		
12th A Cross Road		4	298.35		0.20	51.48		
2nd main Road		4	163.15		0.20	238.68		
12th Cross Road		4	46.80		0.20	130.52		
1st A Cross Road		4	46.15		0.20	37.44		
2nd Cross Road		4	52.00		0.20	36.92		
1st D Cross Road		4	83.85		0.20	41.60		
10th Cross road		4	70.85		0.20	67.08		
T S Govindaraj Road		4	61.10		0.20	56.68		
Cr Rd		4	27.95		0.20	48.88		
11th Cross		4	78.00		0.20	22.36		
Cr Rd		4	60.45		0.20	62.40		
1st A Cross Road		4	61.10		0.20	48.36		
1st Cross Road		4	61.75		0.20	48.88		
2nd Cross Road		4	61.75		0.20	49.40		
3rd Cross Road		4	62.40		0.20	49.40		
4th Cross Road		4	36.40		0.20	49.92		
1st Cross Road		4	227.50		0.20	29.12		
Cr rd		4	263.25		0.20	182.00		
2nd Cross Road		2	58.50		0.20	210.60		
13th main road		4	115.05		0.20	23.40		
12th main road		4	109.20		0.20	92.04		
LN COLONY						87.36		
2nd B main		4	113.75		0.20			
1st cross road		4	136.50		0.20	91.00		
1st D main		2	78.00		0.20	109.20		
1st D main		4	61.75		0.20	31.20		
1st D main		4	63.70		0.20	49.40		
cross road 2		4	227.50		0.20	50.96		
2nd Cross Road		4	58.50		0.20	182.00		
Old Panchayath Road		4	39.00		0.20	46.80		
Parallel Road		4	219.70		0.20	31.20		
cross road 2		4	145.60		0.20	175.76		
						116.48		
					Total Quantity	2688.40	220.00	591448.00
Rate Analysis								
Basic Rate	200.00							
Area Weightage @10%	20.00							
Total Amount	220.00							

Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately).Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate.Item No.2.1.4,Page No.15, Vol I SR 21-22	Sqm							
Plastering								
B K Nagar								
1st C Main Road		4	126.75	0.20	0.10	10.14		
3rd B Main Road		4	48.10	0.20	0.10	3.85		
12th A Cross Road		4	64.35	0.20	0.10	5.15		
2nd main Road		4	298.35	0.20	0.10	23.87		
12th Cross Road		4	163.15	0.20	0.10	13.05		
1st A Cross Road		4	46.80	0.20	0.10	3.74		
2nd Cross Road		4	46.15	0.20	0.10	3.69		

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Cross Road		4	83.85	0.20	0.10	6.71		
Cross Road		4	70.85	0.20	0.10	5.67		
Cross Road		4	61.10	0.20	0.10	4.89		
Cross Road		4	27.95	0.20	0.10	2.24		
Cross Road		4	78.00	0.20	0.10	6.24		
Cross Road		4	60.45	0.20	0.10	4.84		
Cross Road		4	61.10	0.20	0.10	4.89		
Cross Road		4	61.75	0.20	0.10	4.94		
Cross Road		4	61.75	0.20	0.10	4.94		
Cross Road		4	62.40	0.20	0.10	4.99		
Cross Road		4	36.40	0.20	0.10	2.91		
Cross Road		4	227.50	0.20	0.10	18.20		
Cross Road		4	263.25	0.20	0.10	21.06		
Cross		2	58.50	0.20	0.10	2.34		
Cross Road		4	115.05	0.20	0.10	9.20		
main road		4	109.20	0.20	0.10	8.74		
main road		4	113.75	0.20	0.10	9.10		
CON'Y		4	136.50	0.20	0.10	10.92		
B main		2	78.00	0.20	0.10	3.12		
cross road		4	61.75	0.20	0.10	4.94		
D main		4	63.70	0.20	0.10	5.10		
D main		4	227.50	0.20	0.10	18.20		
D main		4	58.50	0.20	0.10	4.68		
Cross Road 2		4	39.00	0.20	0.10	3.12		
Panchayath Road		4	219.70	0.20	0.10	17.58		
Parallel Road		4	145.60	0.20	0.10	11.65		
cross road 2								
					Total Quantity	268.84	6518.60	1752460.42
Rate Analysis								
Basic Rate	5926.00							
Area Weightage @10%	592.60							
Total Amount	6518.60							
Providing B S Slabs of selected quality roughly dressed having a size of 10cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete as directed by the Engineer in Charge of the work Excluding GST and Area Leading Charges)								
	Sqm							
Missing And Broken Slab 35 %						3739.47		
					Total Quantity	3739.47	837.00	3129936.39
Rate Analysis								
Basic Rate	837.00							
Total Amount	837.00							
Providing one line dressing to granite stone slab / granite stone masonry as per specifications. as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
	Sqm							
Missing And Broken Slab 35 %						3739.47		
					Total Quantity	3739.47	242.00	904951.74
Rate Analysis								
Basic Rate	242.00							
Total Amount	242.00							
Providing Machine Cutting edges to B S Slabs 2.5cms.wide as per Specifications.(Only Chamfered length Shall be recorded)inclusive of all taxes Complete.,as directed by the Engineer in Charge of the work Excluding GST and Area Leading Charges)								
	Sqm							
Missing And Broken Slab 35 %		1	3116.00	3.00		9348.00		
					Total Quantity	9348.00	390.00	3645720.00
Rate Analysis								
Basic Rate	390.00							
Total Amount	390.00							

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including curing off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge (CWD 2021-22, V-II, Item No.8.3.1, Page No.41)								
Plastering	Sqm	490	2.30		0.40	450.80		
					Total Quantity	450.80	337.70	152235.16
Rate Analysis								
Basic Rate	307.00							
Area Weightage @10%	30.70							
Total Amount	337.70							
Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.20) Approved Data rate								
New Rcc Drain 1200 cm	Sqm	98				98.00		
					Total Quantity	98.00	10492.00	1028216.00
Basic Rate	10492.00							
Area Weightage @10%								
Total Amount	10492.00							
Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.9 x 0.20) Approved Data rate								
New Rcc Drain 900 cm	Sqm	147				147.00		
					Total Quantity	147.00	8051.00	1183497.00
Basic Rate	8051.00							
Area Weightage @10%								
Total Amount	8051.00							
Providing & laying precast drain slab of 230 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.23) Approved Data rate								
Missing Slab Culverts	Sqm	30	7.00	1.50		38.50		
50% Missing						19.25		
					Total Quantity	19.25	5440.98	104738.87
Basic Rate	5440.98							
Area Weightage @10%								
Total Amount	5440.98							
Removing and resetting of kerb stones.Page No. 270								
	No's							
B K Nagar		2	126.75			253.50		
1st C Main Road		2	48.10			96.20		
3rd B Main Road		2	64.35			128.70		
12th A Cross Road		2	298.35			596.70		
2nd main Road		2	163.15			326.30		
12th Cross Road		2	46.80			93.60		
1st A Cross Road		2	46.15			92.30		
2nd Cross Road		2	52.00			104.00		
1st D Cross Road		2	83.85			167.70		
19th Cross road		2	70.85			141.70		
T.S Govindaraj Road		2	61.10			122.20		
Gr Rd		2	27.95			55.90		
11th Cross		2	78.00			156.00		
Gr Rd		2	60.45			120.90		
1st A Cross Road		2	61.10			122.20		
1st Cross Road		2	61.75			123.50		
2nd Cross Road		2	61.75			123.50		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
4th Cross Road		2	62.40			124.80		
1st Cross Road		2	36.40			72.80		
Cycle		2	227.50			455.00		
Road Cross Road		2	263.25			526.50		
Main main road		1	58.50			58.50		
Main main road		2	115.05			230.10		
K COLONY		2	109.20			218.40		
2nd B main		2	113.75			227.50		
1st cross road		2	136.50			273.00		
1st D main		1	78.00			78.00		
1st D main		2	61.75			123.50		
1st D main		2	63.70			127.40		
Cross road 2		2	227.50			455.00		
2nd Cross Road		2	58.50			117.00		
Old Panchayath Road		2	39.00			78.00		
Parallel Road		2	219.70			439.40		
Cross road 2		2	145.60			291.20		
Missing & Broken 45 %						-3024.45		
						3696.55		
Data Rate	118.00					3696.55	118.00	436192.90
Total	118.00							
Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165mm respectively,400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork,curing including cost of materials,labour charges of machinery,loading and unloading,lead and lift,transportation etc., complete as directed by the Engineer in charge of the work (Excluding GST and Area Leading Charges)								
Missing & Broken 45 %	No's					3024.45		
Length/0.45						6721.00	507.00	3407547.00
Data Rate	507.00							
Total	507.00							
Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces.Painting Two Coats on New Concrete Surfaces.**Item No.8.1,Page No.56, Vol III SR 21-22**								
	Sqm							
		1	6721.00		0.30	2016.30		
						2016.30	93.50	188524.05
Basic Rate	85.00							
Area Weightage @ 10%	8.50							
Total	93.50							

Construction Total Amount	2,49,14,862.67
Add GST Charges 18%	44,84,675.28
Add Detailed Project Report (DPR) and PMC Charges 2.0%	6,00,000.00
Sub Total	2,99,99,537.95
Miscellaneous and unforeseen charges etc.L.S	462.05
Grand Total	3,00,00,000.00

Certificate:

1. The work spot has been inspected and found to be necessary
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on CSR of 2021-22 of Issue Rates on 07.04.2022

Assistant Engineer

AEE - YPR

Executive Engineer

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BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, RR NAGAR DIVISION

Name of Works : Improvements of Drains & Culverts in JP Park And Surrounding Area in Ward No 17, JP Park

DETAILED ESTIMATE

Estimated Cost= 5,00,00,000.00

Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Removing & Refixing stone slabs of drains and pointing in C.M (1:3) Data Rate								
	Cum							
For								
Ward No 17								
13th C Main Road		2	172.00	0.90		309.60		
13th B Main Road		2	196.00	0.90		352.80		
2nd Cross Road		2	242.00	0.90		435.60		
CC RD		2	450.00	1.20		1080.00		
15th Main Rd		2	278.00	0.90		500.40		
15th A Main Road		2	206.00	0.90		370.80		
14th B Main Rd		2	183.00	0.90		329.40		
14th A Main Rd		2	184.00	0.90		331.20		
14th Main Rd		2	153.00	1.20		367.20		
Smiles Hospetal Rd		2	136.00	1.20		326.40		
HMT Layout								
7th Cross Road		2	310.00	1.20		744.00		
3rd Cross Rd		2	245.00	1.20		588.00		
Akkiyappa Gardan		2	115.00	1.20		276.00		
8th Main Road		2	140.00	1.20		336.00		
5th Cross Road		2	235.00	1.20		564.00		
9th Cross Road		2	280.00	1.20		672.00		
10th Cross Road		2	288.00	1.20		691.20		
12th Cross RD		2	280.00	1.20		672.00		
Muthyalana Nagara								
15th B Cross Road		2	366.00	1.20		878.40		
15th A crossRoad		2	352.00	1.20		844.80		
15th crossRoad		2	392.00	1.20		940.80		
15th Cross Road		2	510.00	1.20		1224.00		
17th Cross Road		2	564.00	1.20		1353.60		
15th Main Rd		2	398.00	1.20		955.20		
Missing And Broken Slab 40 %						-6057.36		
					Total Quantity	9086.04	212.00	1926240.48
Data Rate								
Data Rate	212.00							
Total Amount	212.00							

Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.In all kinds of soils Depth upto 1.5 m.Item No.1.4.1,Page No.A(5), Vol I CSR 21-22

	Cum							
For Corner Slab								
Ward No 17		779	15.00	0.60	0.62	4346.82		
For Disilting								
Ward No 17								
13th C Main Road		2	172.00	0.60	0.60	123.84		
13th B Main Road		2	196.00	0.60	0.60	141.12		

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
7th Cross Road		2	242.00	0.60	0.50	145.20		
7th A Main Rd		2	450.00	0.60	0.60	324.00		
7th A Main Road		2	278.00	0.60	0.60	200.16		
7th A Main Rd		2	206.00	0.60	0.60	148.32		
7th A Main Rd		2	183.00	0.60	0.60	131.76		
7th A Main Rd		2	184.00	0.60	0.60	132.48		
7th A Main Rd		2	153.00	0.60	0.60	110.16		
7th A Main Rd		2	136.00	0.60	0.60	97.92		
7th Hospital Rd								
8th Cross Road		2	310.00	0.60	0.50	186.00		
8th Main Road		2	245.00	0.60	0.50	147.00		
8th Cross Rd		2	115.00	0.60	0.50	69.00		
8th Main Road		2	140.00	0.60	0.50	84.00		
8th Cross Road		2	235.00	0.60	0.50	141.00		
8th Cross Road		2	280.00	0.60	0.50	168.00		
8th Cross Road		2	288.00	0.60	0.50	172.80		
9th Cross RD		2	280.00	0.60	0.50	168.00		
Ambhalana Nagara		2	366.00	0.60	0.50	219.60		
9th B Cross Road		2	352.00	0.60	0.50	211.20		
9th A crossRoad		2	392.00	0.60	0.50	235.20		
9th cross Road		2	510.00	0.60	0.50	306.00		
9th Cross Road		2	564.00	0.60	0.50	338.40		
10th Main Rd		2	398.00	0.60	0.50	238.80		
					Total Quantity	8586.78	363.56	3121809.74

Rate Analysis	
Basic Rate	186.00
Loading & unLoading	118.00
Add for lead for earth (1.28 Tonne / Cum)	40.96
Area Weightage @10%	18.60
Total Amount	363.56

Providing and laying in position **plain cement concrete Mix 1:3:6 (M10)** Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) (KWPD 2021-22, V-I, Item No.2.1.3, Page No.15)

	Cum							
For Corner Slab								
Ward No 17		1558	2.30	0.20	0.15	107.50		
					Total Quantity	107.50	6327.20	680186.65

Rate Analysis	
Basic Rate	5752.00
Area Weightage @10%	575.20
Total Amount	6327.20

Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.I.No 6.32 P.No 17 Volume 2 SR 2021-22

	Sqm							
For Corner Slab								
Ward No 17		1558	2.30		0.40	1433.36		
For Solid Block								
Ward No 17								
12th C Main Road		4	111.80		0.20	89.44		

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
2nd Cross Road		4	157.30		0.20	125.84		
2nd RD		4	292.50		0.20	234.00		
13th Main Rd		4	180.70		0.20	144.56		
13th A Main Road		4	133.90		0.20	107.12		
13th B Main Rd		4	118.95		0.20	95.16		
14th A Main Rd		4	119.60		0.20	95.68		
14th Main Rd		4	99.45		0.20	79.56		
2miles Hospetal Rd		4	88.40		0.20	70.72		
HMT Layout		4	201.50		0.20	161.20		
7th Cross Road		4	159.25		0.20	127.40		
3rd Cross Rd		4	74.75		0.20	59.80		
4th Main Road		4	91.00		0.20	72.80		
5th Cross Road		4	152.75		0.20	122.20		
9th Cross Road		4	182.00		0.20	145.60		
10th Cross Road		4	187.20		0.20	149.76		
12th Cross Road		4	182.00		0.20	145.60		
Cross RD		4	237.90		0.40	380.64		
Muthyalana Nagara		4	228.80		0.20	183.04		
15th B Cross Road		4	286.16		0.40	457.86		
15th A crossRoad		4	433.50		0.20	346.80		
15th crossRoad		4	479.40		0.40	767.04		
18th Cross Road		4	338.30		0.20	270.64		
17th Cross Road								
15th Main Rd					Total Quantity	5967.74	1322.20	7890540.54

Rate Analysis	
Basic Rate	1202.00
Area Weightage @10%	120.20
Total Amount	1322.20

Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.Item No.8.19.1,Page No.44, Vol II SR 21-22

Pointing	Sqm							
Ward No 17		4	111.80		0.20	89.44		
13th C Main Road		4	127.40		0.20	101.92		
13th B Main Road		4	157.30		0.20	125.84		
2nd Cross Road		4	292.50		0.20	234.00		
2nd RD		4	180.70		0.20	144.56		
16th Main Rd		4	133.90		0.20	107.12		
15th A Main Road		4	118.95		0.20	95.16		
14th B Main Rd		4	119.60		0.20	95.68		
14th A Main Rd		4	99.45		0.20	79.56		
14th Main Rd		4	88.40		0.20	70.72		
2miles Hospetal Rd								
HMT Layout		4	201.50		0.20	161.20		
7th Cross Road		4	159.25		0.20	127.40		
3rd Cross Rd		4	74.75		0.20	59.80		
4th Main Road		4	91.00		0.20	72.80		
5th Cross Road		4	152.75		0.20	122.20		
9th Cross Road		4	182.00		0.20	145.60		
10th Cross Road		4	187.20		0.20	149.76		
12th Cross Road		4	182.00		0.20	145.60		
Cross RD								
Muthyalana Nagara								
15th B Cross Road		4	237.90		0.40	380.64		
15th A crossRoad		4	228.80		0.20	183.04		
15th crossRoad		4	286.16		0.40	457.86		
18th Cross Road		4	433.50		0.20	346.80		
17th Cross Road		4	479.40		0.40	767.04		
15th Main Rd		4	338.30		0.20	270.64		
					Total Quantity	4534.38	220.00	997562.72

Rate Analysis	
Basic Rate	200.00

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Area Weightage @10%	20.00							
Total Amount	220.00							

Prechkling and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all hand & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate.Item No.2.1.4,Page No.15, Vol I SR 21-22

	Sqm							
Plastering								
Ward No 17		4	111.80	0.20	0.10	8.94		
14th C Main Road		4	127.40	0.20	0.10	10.19		
13th B Main Road		4	157.30	0.20	0.10	12.58		
2nd Cross Road		4	292.50	0.20	0.10	23.40		
Cr RD		4	180.70	0.20	0.10	14.46		
15th Main Rd		4	133.90	0.20	0.10	10.71		
15th A Main Road		4	118.95	0.20	0.10	9.52		
14th B Main Rd		4	119.60	0.20	0.10	9.57		
14th A Main Rd		4	99.45	0.20	0.10	7.96		
14th Main Rd		4	88.40	0.20	0.10	7.07		
Smiles Hospetal Rd								
HMT Layout		4	201.50	0.20	0.10	16.12		
7th Cross Road		4	159.25	0.20	0.10	12.74		
3rd Cross Rd		4	74.75	0.20	0.10	5.98		
6th Main Road		4	91.00	0.20	0.10	7.28		
5th Cross Road		4	152.75	0.20	0.10	12.22		
9th Cross Road		4	182.00	0.20	0.10	14.56		
10th Cross Road		4	187.20	0.20	0.10	14.98		
12th Cross Road		4	182.00	0.20	0.10	14.56		
Cross RD								
Muthyalana Nagara		4	237.90	0.20	0.10	19.03		
5th B Cross Road		4	228.80	0.20	0.10	18.30		
15th A crossRoad		4	286.16	0.20	0.10	22.89		
15th crossRoad		4	433.50	0.20	0.10	34.68		
18th Cross Road		4	479.40	0.20	0.10	38.35		
17th Cross Road		4	338.30	0.20	0.10	27.06		
15th Main Rd								
					Total Quantity	373.16	6518.60	2432485.99

Rate Analysis	
Basic Rate	5926.00
Area Weightage @10%	592.60
Total Amount	6518.60

Providing B S Slabs of selected quality roughly dressed having a size of 10cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)

	Sqm							
Missing And Broken Slab 40 %						6057.36		
					Total Quantity	6057.36	837.00	5070010.32

Rate Analysis	
Basic Rate	837.00
Total Amount	837.00

Providing one line dressing to granite stone slab / granite stone masonry as per specifications. as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)

	Sqm							
Missing And Broken Slab 40 %						6057.36		
					Total Quantity	6057.36	242.00	1465881.12

Rate Analysis	
Basic R...	2[illegible]00

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Total Amount	242.00							
Providing Machine Cutting edges to B S Slabs 2.5cms wide as per Specifications (Only Chamfered length shall be recorded)inclusive of all taxes Complete..as directed by the Engineer in Charge of the work including GST and Area Leading Charges)								
	Sqm							
Missing And Broken Slab 40 %		1	5048.00	3.00		15144.00		
					Total Quantity	15144.00	390.00	5906160.00
Rate Analysis								
Basic Rate	390.00							
Total Amount	390.00							
Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (CWPD 2021-22, V-II, Item No.8.3.1, Page No.41)								
	Sqm							
Plastering		1558	2.30		0.40	1433.36		
					Total Quantity	1433.36	337.70	484045.67
Rate Analysis								
Basic Rate	307.00							
Area Weightage @10%	30.70							
Total Amount	337.70							
Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.20) Approved Data rate								
	Sqm							
New Rcc Drain 1200 cm		234				234.00		
					Total Quantity	234.00	10492.00	2455128.00
Basic Rate	10492.00							
Area Weightage @10%								
Total Amount	10492.00							
Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.9 x 0.20) Approved Data rate								
	Sqm							
New Rcc Drain 900 cm		545				545.00		
					Total Quantity	545.00	8051.00	4387795.00
Basic Rate	8051.00							
Area Weightage @10%								
Total Amount	8051.00							
Providing & laying precast drain slab of 230 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.23) Approved Data rate								
	Sqm							
Missing Slab Culverts		22	6.00	1.50		29.50		
30 % Missing						8.85		
					Total Quantity	8.85	5440.98	48152.67
Basic Rate	5440.98							
Area Weightage @10%								
Total Amount	5440.98							
Removing and resetting of kerb stones.Page No. 270								
	No's							
Ward No 17								
13th C Main Road		2	111.80			223.60		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
2nd Cross Road		2	157.30			314.60		
CT RD		2	292.50			585.00		
16th Main Rd		2	180.70			361.40		
15th A Main Road		2	133.90			267.80		
14th B Main Rd		2	118.95			237.90		
14th A Main Rd		2	119.60			239.20		
14th Main Rd		2	99.45			198.90		
Samles Hospetal Rd		2	88.40			176.80		
HMT Layout								
7th Cross Road		2	201.50			403.00		
3rd Cross Rd		2	159.25			318.50		
6th Main Road		2	74.75			149.50		
5th Cross Road		2	91.00			182.00		
9th Cross Road		2	152.75			305.50		
10th Cross Road		2	182.00			364.00		
12th Cross Road		2	187.20			374.40		
Cross RD		2	182.00			364.00		
Muthyalana Nagara								
5th B Cross Road		2	237.90			475.80		
15th A crossRoad		2	228.80			457.60		
15th crossRoad		2	286.16			572.32		
18th Cross Road		2	433.50			867.00		
17th Cross Road		2	479.40			958.80		
15th Main Rd		2	338.30			676.60		
Missing & Broken35 %						-3265.16		
						6063.86		
						6063.86	118.00	715535.83
Data Rate	118.00							
Total	118.00							
Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165mm respectively,400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork,curing including cost of materials,labour charges of machinery,loading and unloading,lead and lift,transportation etc., complete as directed by the Engineer in charge of the work (Excluding GST and Area Leading Charges)								
	No's							
Missing & Broken35 %						3265.16		
						7255.90	507.00	3678743.55
Length/0.45								
Data Rate	507.00							
Total	507.00							

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces.Painting Two Coats on New Concrete Surfaces.Item No.8.1,Page No.56, Vol III SR 21-22								
	Sqm							
		1	9329.02					
					0.30	2798.71		
Basic Rate	85.00					2798.71	93.50	261679.01
Area Weightage @ 10%	8.50							
Total	93.50							

Construction Total Amount	4,15,21,957.30
Add GST Charges 18%	74,73,952.31
Add Detailed Project Report (DPR) and PMC Charges 2.0%	10,00,000.00
Sub Total	4,99,95,909.61
Miscellaneous and unforeseen charges etc.L.S	4,090.39
Grand Total	5,00,00,000.00

Certificate:

1. The work spot has been inspected and found to be necessary
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on CSR of 2021-22 of Issue Rates on 07.04.2022

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Engineer
Ward No 17

Asst Exe Engineer
Yashwanthapura Sub Division

Executive Engineer
RR Nagar Division

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BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, RR NAGAR DIVISION

Name of Works : Improvements of Drains & Culverts in Jalahalli And Surrounding Area in Ward No 16, Jalahalli

DETAILED ESTIMATE

Estimated Cost= 3,00,00,000.00

Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Removing & Refixing stone slabs of drains and pointing in C.M (1:3) Data Rate								
	Cum							
For Corner Slab								
Ward No 16		2	152.00	1.20		364.80		
2nd Cross Road		2	110.00	0.90		198.00		
3rd Cross Road		2	88.00	0.90		158.40		
4th Cross Road		2	183.00	0.90		329.40		
5th Cross Road		2	476.00	0.90		856.80		
8th Main Road		2	106.00	0.90		190.80		
6th Main Road		2	224.00	1.20		537.60		
K Anjinappa Road		2	192.00	1.20		460.80		
5th A Cross Road								
4th Main Bahubali Nagar		2	238.00	0.90		428.40		
6th A Cross Road Bahuballi Nagar		2	202.00	0.90		363.60		
Sharadamba Nagar								
4th Main Sharadamba Nagar		2.00	89.00	0.90		160.20		
5th C Cross Road		2.00	229.00	1.20		549.60		
5th A Cross Road Sharadambha Nagar		2.00	158.00	1.20		379.20		
5th B Cross Road Sharadambha Nagar		2.00	135.00	0.90		243.00		
1st Cross Road		2.00	135.00	1.20		324.00		
8th Main Road		2.00	50.00	0.90		90.00		
3rd Main Cross Rd		2.00	120.00	1.20		288.00		
Bahubali Nagar		2.00	368.00	1.20		883.20		
4th Main Bahubali Nagar		2.00	249.00	1.20		597.60		
6th A Cross Road Bahuballi Nagar		2.00	245.00	1.20		588.00		
Pipeline Road		1.00	420.00	1.50		630.00		
Sri Muthyalama Temple Road		2.00	321.00	1.20		770.40		
Kadambha Road		2.00	115.00	1.20		276.00		
5th A Cross Road		2.00	203.00	0.90		365.40		
6th Cross Road		2.00	210.00	0.90		378.00		
2th A Cross Road		2.00	184.00	0.90		331.20		
7th Main Road		2.00	170.00	0.90		306.00		
2nd Main Road		2.00	363.00	0.90		653.40		
Missing And Broken Slab 35 %						-4095.63		
					Total Quantity	7606.17	212.00	1612508.04

Data Rate	
Basic Rate	212.00
Total Amount	212.00

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, cotton lights, removal of stumps and other deleterious matter, excavated surface leveled and color neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other incurrences required to complete the work.In all kinds of soils Depth upto 1.5 m.Item No.1.4.1,Page No.A(5), Vol I CSR 21-22	Cum							
Near Corner Slab		155	15.00	0.60	0.62	864.90		
Ward No 16								
Near Distlling		2	152.00	0.60	0.60	109.44		
Ward No 16		2	110.00	0.60	0.60	79.20		
2nd Cross Road		2	88.00	0.60	0.50	52.80		
3rd Cross Road		2	183.00	0.60	0.60	131.76		
4th Cross Road		2	476.00	0.60	0.60	342.72		
5th Cross Road		2	106.00	0.60	0.60	76.32		
18th Main Road		2	224.00	0.60	0.60	161.28		
16th Main Road		2	192.00	0.60	0.60	138.24		
K Anjinappa Road		2	238.00	0.60	0.60	171.36		
15th A Cross Road		2	202.00	0.60	0.60	145.44		
14th Main Bahubali								
6th A Cross Road		2	89.00	0.60	0.50	53.40		
Sharadamba Nagar		2	229.00	0.60	0.50	137.40		
14th Main Sharadamba								
5th C Cross Road		2	158.00	0.60	0.50	94.80		
15th A Cross Road		2	135.00	0.60	0.50	81.00		
15th B Cross Road		2	135.00	0.60	0.50	81.00		
1st Cross Road		2	50.00	0.60	0.50	30.00		
18th Main Road		2	120.00	0.60	0.50	72.00		
3rd Main		2	368.00	0.60	0.50	220.80		
Cross Rd								
Bahubali Nagar		2	249.00	0.60	0.50	149.40		
14th Main Bahubali		2	245.00	0.60	0.50	147.00		
16th A Cross Road								
Bahuballi Nagar		1	420.00	0.60	0.50	126.00		
Pipeline Road		2	321.00	0.60	0.50	192.60		
Sri Muthyalama Temple								
Road		2	115.00	0.60	0.50	69.00		
Kadambha Road		2	203.00	0.60	0.50	121.80		
15th A Cross Road		2	210.00	0.60	0.50	126.00		
16th Cross Road		2	184.00	0.60	0.50	110.40		
12th A Cross Road		2	170.00	0.60	0.50	102.00		
17th Main Road		2	363.00	0.60	0.50	217.80		
2nd Main Road								
					Total Quantity	4405.86	363.56	1601794.46

Rate Analysis	
Basic Rate	186.00
Loading & unLoading	118.00
Add for lead for earth (1.28 Tonne / Cum)	40.96
Area Weightage @10%	18.60
Total Amount	363.56

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Code machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) KWPD 2021-22, V-I, Item No.2.1.3, Page No.15)								
	Cum							
1st Corner Slab								
Ward No 16		310	2.30	0.20	0.15	21.39		
					Total Quantity	21.39	6327.20	135338.81
Rate Analysis	5752.00							
Basic Rate	575.20							
Area Weightage @10%	6327.20							
Total Amount								
Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications.I.No 6.32 P.No 17 Volume 2 SR 2021-22								
	Sqm							
For Corner Slab								
Ward No 16		310	2.30		0.40	285.20		
For Solid Block								
Ward No 16		4	98.80		0.20	79.04		
2nd Cross Road		4	71.50		0.20	57.20		
3rd Cross Road		4	57.20		0.20	45.76		
4th Cross Road		4	118.95		0.20	95.16		
5th Cross Road		4	309.40		0.20	247.52		
8th Main Road		4	68.90		0.20	55.12		
6th Main Road		4	145.60		0.20	116.48		
K Anjinappa Road		4	109.44		0.20	87.55		
5th A Cross Road		4	119.00		0.20	95.20		
4th Main Bahubali		4	101.00		0.20	80.80		
6th A Cross Road								
Sharadamba Nagar								
4th Main Sharadamba		4	66.75		0.20	53.40		
5th C Cross Road		4	171.75		0.20	137.40		
5th A Cross Road		4	118.50		0.20	94.80		
5th B Cross Road		4	101.25		0.20	81.00		
1st Cross Road		4	101.25		0.20	81.00		
8th Main Road		4	37.50		0.20	30.00		
3rd Main		4	90.00		0.20	72.00		
Cross Rd		4	276.00		0.40	441.60		
Bahubali Nagar								
4th Main Bahubali		4	179.28		0.20	143.42		
6th A Cross Road Bahuballi Nagar		4	176.40		0.20	141.12		
Pipeline Road		2	302.40		0.40	241.92		
Sri Muthyalama Temple Road		4	231.12		0.40	369.79		
Kadambha Road		4	82.80		0.20	66.24		
5th A Cross Road		4	146.16		0.20	116.93		
6th Cross Road		4	151.20		0.20	120.96		
12th A Cross Road		4	132.48		0.20	105.98		
7th Main Road		4	122.40		0.20	97.92		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
2nd Main Road		4	261.36		0.20	209.09		
					Total Quantity	3849.61	1322.20	5089951.70
Rate Analysis	1202.00							
Basic Rate	120.20							
Area Weightage @10%	1322.20							
Total Amount								
Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.Item No.8.19.1,Page No.44, Vol II SR 21-22								
	Sqm							
Pointing								
Ward No 16		4	98.80		0.20	79.04		
2nd Cross Road		4	71.50		0.20	57.20		
3rd Cross Road		4	57.20		0.20	45.76		
4th Cross Road		4	118.95		0.20	95.16		
5th Cross Road		4	309.40		0.20	247.52		
5th Main Road		4	68.90		0.20	55.12		
6th Main Road		4	145.60		0.20	116.48		
K Anjinappa Road		4	109.44		0.20	87.55		
5th A Cross Road		4	119.00		0.20	95.20		
4th Main Bahubali		4	101.00		0.20	80.80		
6th A Cross Road								
Sharadamba Nagar		4	66.75		0.20	53.40		
4th Main Sharadamba		4	171.75		0.20	137.40		
5th C Cross Road		4	118.50		0.20	94.80		
5th A Cross Road		4	101.25		0.20	81.00		
5th B Cross Road		4	101.25		0.20	81.00		
1st Cross Road		4	37.50		0.20	30.00		
8th Main Road		4	90.00		0.20	72.00		
3rd Main		4	276.00		0.40	441.60		
Cross Rd								
Bahubali Nagar		4	179.28		0.20	143.42		
4th Main Bahubali		4	176.40		0.20	141.12		
6th A Cross Road								
Bahuballi Nagar		2	302.40		0.40	241.92		
Pipeline Road		4	231.12		0.40	369.79		
Sri Muthyalama Temple Road		4	82.80		0.20	66.24		
Kadambha Road		4	146.16		0.20	116.93		
5th A Cross Road		4	151.20		0.20	120.96		
6th Cross Road		4	132.48		0.20	105.98		
2th A Cross Road		4	122.40		0.20	97.92		
7th Main Road		4	261.36		0.20	209.09		
2nd Main Road								
					Total Quantity	3564.41	220.00	784169.76
Rate Analysis								
Basic Rate	200.00							
Area Weightage @10%	20.00							
Total Amount	220.00							

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Description of work	Unit	Nos	Dimensions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Providing and laying in position plain cement concrete for levelling course for all works in foundation. The concrete (trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other incidentals & formalities required to complete the work as per technical specifications. (The cost of steel reinforcement in the work shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregate.Item No.2.1.4,Page No.15, Vol I SR 21-22								
	Sqm							
Plastering								
Ward No 16		4	98.80	0.20	0.10	7.90		
2nd Cross Road		4	71.50	0.20	0.10	5.72		
3rd Cross Road		4	57.20	0.20	0.10	4.58		
4th Cross Road		4	118.95	0.20	0.10	9.52		
5th Main Road		4	309.40	0.20	0.10	24.75		
5th Main Road		4	68.90	0.20	0.10	5.51		
K Anjinappa Road		4	145.60	0.20	0.10	11.65		
15th A Cross Road		4	109.44	0.20	0.10	8.76		
14th Main Bahubali		4	119.00	0.20	0.10	9.52		
16th A Cross Road		4	101.00	0.20	0.10	8.08		
Sharadamba Nagar								
14th Main Sharadamba		4	66.75	0.20	0.10	5.34		
15th C Cross Road		4	171.75	0.20	0.10	13.74		
15th A Cross Road		4	118.50	0.20	0.10	9.48		
15th B Cross Road		4	101.25	0.20	0.10	8.10		
21st Cross Road		4	101.25	0.20	0.10	8.10		
18th Main Road		4	37.50	0.20	0.10	3.00		
23rd Main		4	90.00	0.20	0.10	7.20		
Cross Rd		4	276.00	0.20	0.10	22.08		
Bahubali Nagar								
14th Main Bahubali		4	179.28	0.20	0.10	14.34		
16th A Cross Road		4	176.40	0.20	0.10	14.11		
Bahuballi Nagar								
Pipeline Road		2	302.40	0.20	0.10	12.10		
Sri Muthyalama Temple Road		4	231.12	0.20	0.10	18.49		
Kadambha Road		4	82.80	0.20	0.10	6.62		
15th A Cross Road		4	146.16	0.20	0.10	11.69		
16th Cross Road		4	151.20	0.20	0.10	12.10		
12th A Cross Road		4	132.48	0.20	0.10	10.60		
17th Main Road		4	122.40	0.20	0.10	9.79		
12nd Main Road		4	261.36	0.20	0.10	20.91		
					Total Quantity	303.78	6518.60	1980189.02
Rate Analysis								
Basic Rate	5926.00							
Area Weightage @10%	592.60							
Total Amount	6518.60							
Providing B S Slabs of selected quality roughly dressed having a size of 10cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
	Sqm							
Missing And Broken Slab 35 %						4095.63		
					Total Quantity	4095.63	837.00	3428042.31
Rate Analysis								
Basic Rate	837.00							
Total Amount	837.00							

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Providing one line dressing to granite stone slab / granite stone masonry as per specifications, as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
Missing And Broken Slab 35 %	Sqm					4095.63		
					Total Quantity	4095.63	242.00	991142.46
Rate Analysis								
Basic Rate	242.00							
Total Amount	242.00							
Providing Machine Cutting edges to B S Slabs 2.5cms.wide as per Specifications.(Only Chamfered length shall be recorded)inclusive of all taxes Complete.,as directed by the Engineer in Charge of the work (Excluding GST and Area Leading Charges)								
Missing And Broken Slab 35 %	Sqm	1	3413.00	3.00		10239.00		
					Total Quantity	10239.00	390.00	3993210.00
Rate Analysis								
Basic Rate	390.00							
Total Amount	390.00							
Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (KWPD 2021-22, V-II, Item No.8.3.1, Page No.41)								
Plastering	Sqm	310	2.30		0.40	285.20		
					Total Quantity	285.20	337.70	96312.04
Rate Analysis								
Basic Rate	307.00							
Area Weightage @10%	30.70							
Total Amount	337.70							
Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.20) Approved Data rate								
New Rcc Drain 1200 cm	Sqm	47				47.00		
					Total Quantity	47.00	10492.00	493124.00
Basic Rate	10492.00							
Area Weightage @10%								
Total Amount	10492.00							
Providing & laying precast drain corner cover slab of 200 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.9 x 0.20) Approved Data rate								
New Rcc Drain 900 cm	Sqm	108				108.00		
					Total Quantity	108.00	8051.00	869508.00
Basic Rate	8051.00							
Area Weightage @10%								
Total Amount	8051.00							
Providing & laying precast drain slab of 230 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.23) Approved Data rate								
Missing Slab Culverts	Sqm	22	6.00	1.50		29.50		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
5 % Missing						8.85		
Basic Rate	5440.98				Total Quantity	8.85	5440.98	48152.67
Area Weightage @10%								
Total Amount	5440.98							
Removing and resetting of kerb stones.Page No. 270								
	No's							
Ward No 16		2	98.80			197.60		
2nd Cross Road		2	71.50			143.00		
3rd Cross Road		2	57.20			114.40		
4th Cross Road		2	118.95			237.90		
5th Cross Road		2	309.40			618.80		
6th Main Road		2	68.90			137.80		
7th Main Road		2	145.60			291.20		
K Anjinappa Road		2	109.44			218.88		
5th A Cross Road		2	119.00			238.00		
7th Main Bahubali		2	101.00			202.00		
5th A Cross Road								
Sharadamba Nagar		2	66.75			133.50		
4th Main Sharadamba		2	171.75			343.50		
5th C Cross Road		2	118.50			237.00		
5th A Cross Road		2	101.25			202.50		
5th B Cross Road		2	101.25			202.50		
1st Cross Road		2	37.50			75.00		
6th Main Road		2	90.00			180.00		
3rd Main		2	276.00			552.00		
Cross Rd								
Bahubali Nagar		2	179.28			358.56		
4th Main Bahubali		2	176.40			352.80		
6th A Cross Road								
Bahuballi Nagar		1	302.40			302.40		
Pipeline Road								
Sri Muthyalama Temple		2	231.12			462.24		
Road								
Kadambha Road		2	82.80			165.60		
5th A Cross Road		2	146.16			292.32		
6th Cross Road		2	151.20			302.40		
2th A Cross Road		2	132.48			264.96		
7th Main Road		2	122.40			244.80		
2nd Main Road		2	261.36			522.72		
Missing & Broken 35 %						-2658.03		
						4936.35		
						4936.35	118.00	582488.95
Data Rate	118.00							
Total	118.00							
Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165mm respectively,400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork,curing including cost of materials,labour charges of machinery,loading and unloading,lead and lift,transportation etc., complete as directed by the Engineer in charge of the work (Excluding GST and Area Leading Charges)								
	No's							
Missing & Broken 35 %						2658.03		

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Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
			L in m	B in m	D in m			
Length 0.45								
Data Rate	507.00					5906.74	507.00	2994717.18
Total	507.00							
Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces.Painting Two Coats on New Concrete Surfaces.Item No.8.1,Page No.56, Vol III SR 21-22								
	Sqm							
		1	7594.38		0.30	2278.31		
						2278.31	93.50	213022.36
Basic Rate	85.00							
Area Weightage @ 10%	8.50							
Total	93.50							

Construction Total Amount	2,49,13,671.76
Add GST Charges 18%	44,84,460.92
Add Detailed Project Report (DPR) and PMC Charges 2.0%	6,00,000.00
Sub Total	2,99,98,132.67
Miscellaneous and unforeseen charges etc.L.S	1,867.33
Grand Total	3,00,00,000.00

Certificate:

1. The work spot has been inspected and found to be necessary
2. The provisions made in the estimate are necessary and minimum
3. The estimate is based on CSR of 2021-22 of Issue Rates on 07.04.2022

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Assistant Engineer
Ward No 16

Asst Exe Engineer
Yashwanthapura Sub Division

Executive Engineer
RR Nagar Division

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